

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	385	514/520	USPAT	OR	OFF	2007/06/18 13:09
L3	1697	514/269	USPAT	OR	OFF	2007/06/18 13:09
L4	1001	514/345	USPAT	OR	OFF	2007/06/18 13:09
L5	397	514/362	USPAT	OR	OFF	2007/06/18 13:09
L6	2243	514/365	USPAT	OR	OFF	2007/06/18 13:09
L7	1688	514/383	USPAT	OR	OFF	2007/06/18 13:09
L8	939	514/396	USPAT	OR	OFF	2007/06/18 13:10
L9	140	558/410	USPAT	OR	OFF	2007/06/18 13:10
L10	427	548/203	USPAT	OR	OFF	2007/06/18 13:10
L11	393	548/260	USPAT	OR	OFF	2007/06/18 13:10
L12	173	548/129	USPAT	OR	OFF	2007/06/18 13:10
L13	493	546/329	USPAT	OR	OFF	2007/06/18 13:10
L14	851	544/298	USPAT	OR	OFF	2007/06/18 13:10

10/517,977

1 653 SEA ABB=ON PLU=ON MULLER U?/AU  
22 1925 SEA ABB=ON PLU=ON MUELLER U?/AU  
L23 0 SEA ABB=ON PLU=ON L19 AND L20 AND L21  
L24 1 SEA ABB=ON PLU=ON L19 AND L20 AND L22  
L25 2 SEA ABB=ON PLU=ON L16 NOT L24

FILE 'HCAPLUS' ENTERED AT 13:03:12 ON 22 MAY 2007  
D QUE NOS L24  
D IBIB ED ABS L24 1

=> file reg  
FILE 'REGISTRY' ENTERED AT 13:03:56 ON 22 MAY 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
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STRUCTURE FILE UPDATES: 21 MAY 2007 HIGHEST RN 935505-97-8  
DICTIONARY FILE UPDATES: 21 MAY 2007 HIGHEST RN 935505-97-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when  
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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d stat que 115  
L13 STR

Cy @10 Cy~O @12 Cy~S @13 @14 Cy~N @15 @16

Ak @27 24 26 29  
O G3 G4  
|| 3 | 5 |  
G1~G2~S~N~C~G2~G5~G6~Cy  
|| 2 4 6 7 8  
|| 25 28 CN

Cb @35

VAR G1=10/12/14/16  
REP G2=(1-3) C  
VAR G3=H/27  
VAR G4=27/35  
VAR G5=O/S/N  
REP G6=(0-2) C  
NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
MLEVEL IS CLASS AT 9 10 11 13 15 27 35  
GGCAT IS UNS AT 9  
GGCAT IS UNS AT 10  
GGCAT IS UNS AT 11

## Scientific and Technical Information Center

## SEARCH REQUEST FORM

Requester's Full Name: Robert (Robby) Shin Examiner #: 79521 Date: 3/21/07  
 Art Unit: 1626 Phone Number: 2-0707 Serial Number: 10/517,977  
 Location (Bldg/Room#): REPP (Mailbox #): 5A15 Results Format Preferred (circle): PAPER  DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

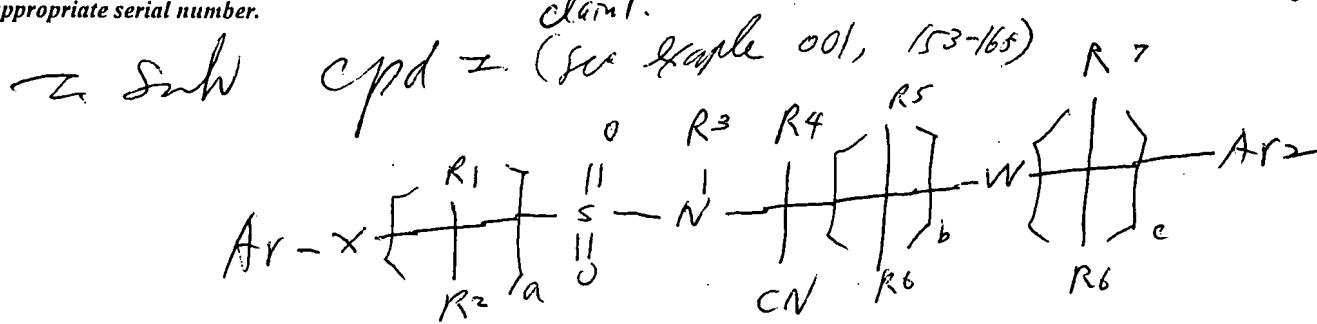
Title of Invention: Alpha-sulfonyl amide  
 Inventors (please provide full names): Leherle et al.

Earliest Priority Date: \_\_\_\_\_

## Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.



2 sub method of use  
 of cpd =

- \* Ar1, Ar2 is aryl or heteroaryl, or aryl-hetero
- \* W is O, S, N
- \* X is O, S, N
- \* a, b is 1 ~ 3
- \* c, m is 0, 1, 2,